

## ABSTRACT OF THE DISCLOSURE

A communication system and method enable the dynamic use of multiple access technologies and multiple standards using a software functionality approach. An access device configured to communicate dynamically using multiple access technologies and multiple standards has a network interface, a central core, and a service hub with a premises interface. The network interface is configured to transmit communications to, and/or receive communications from, a network using multiple network access technologies. The service hub with the premises interface is configured to transmit communications to, and/or receive communications from, a premises device using multiple premises access technologies. The central core is configured to format communications received or to be transmitted for multiple access technologies and multiple standards and to control the interface from which the communication will be transmitted.

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